

# VASU PEDDINTI

**Full Stack Developer | React Native | Next.js | Python | PHP | MySQL | AWS**

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Portfolio: <https://vasupeddinti.vercel.app>

## PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with 7+ years of experience delivering scalable web and mobile solutions for government and education sectors. Expert in React Native, Next.js, Python, and PHP with proven track record of reducing operational errors by 60% and contributing to national award-winning projects. Published 5+ mobile applications on Google Play Store with 10,000+ combined downloads. Certified in Full Stack Development and Python Programming through NxtWave CCBP 4.0 Academy.

## TECHNICAL SKILLS

**Frontend Development:** React Native, Next.js 14, Expo, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap, jQuery, Ionic, Zustand State Management, React Hooks

**Backend Development:** Python, PHP, Node.js, Express.js, REST API Development, Selenium Automation, Drizzle ORM, Microservices Architecture

**Databases & Cloud:** MySQL, SQLite, Turso LibSQL, PostgreSQL, Database Design, Query Optimization, AWS EC2, AWS S3, Cloud Deployment

**Mobile Development:** React Native, Expo, Ionic Framework, Cross-platform Development, Android Development, Google Play Store Deployment, Offline-First Architecture

**Tools & Methodologies:** Git, GitHub, Selenium WebDriver, VS Code, Postman, Agile Development, Scrum, CI/CD, JIRA, Figma, Chrome DevTools, MS Office Suite

**Additional Skills:** Data Analytics, Automation Scripting, API Integration, Responsive Design, Performance Optimization, Team Leadership

## PROFESSIONAL EXPERIENCE

### Data Analyst & Full Stack Developer | Government Projects

**Vizianagaram, Parvathipuram Manyam & Rajamahendravaram Districts |**  
January 2017 – Present

- Architected and deployed 15+ web and mobile applications serving 50,000+ users across education and governance sectors
- Engineered automation scripts using Python and Selenium that reduced manual processing time by 70% and decreased error rates by 60%
- Led end-to-end development of 5+ production-ready mobile applications published on Google Play Store with 10,000+ combined

downloads

- Implemented scalable microservices architecture using Next.js and Tailwind CSS, improving application performance by 45%
- Managed database design and optimization for systems handling 1TB+ of educational and geospatial data
- Collaborated with cross-functional teams and government stakeholders to deliver mission-critical applications on time
- Introduced agile methodologies that improved project delivery time by 30%
- Trained and mentored 15+ junior developers in modern web technologies and development best practices

## KEY PROJECTS & ACHIEVEMENTS

### Unified Digital Platform | Department of School Education

**Full Stack Developer** | 2025 – 2026

**Technologies:** Next.js 14, Tailwind CSS, Zustand, Drizzle ORM, Turso LibSQL, AWS, REST APIs

- Built scalable platform serving 500+ schools, processing 10,000+ daily transactions
- Reduced data processing time by 80% and improved reporting accuracy by 95%
- Implemented real-time data synchronization and dashboard analytics for education administrators
- Designed and optimized database schema handling complex relational data

### Savara Christian Songs Mobile App

**Lead Mobile Developer** | 2024 – 2025

**Technologies:** React Native, Expo, PHP, MySQL, AWS S3, REST APIs

- Published on Google Play Store with 5,000+ active users and 4.5-star rating
- Increased user engagement by 120% through offline functionality and intuitive UI/UX design
- Implemented cloud-based media storage and streaming using AWS S3
- Developed custom audio player with playlist management and background playback

### Education Monitoring Mobile Application

**Full Stack Developer** | 2023 – 2024

**Technologies:** React Native, Expo, PHP, SQLite, REST APIs, Offline Storage

- Deployed to 1,000+ education officials with real-time data synchronization across devices
- Improved monitoring efficiency by 65% and reduced paperwork by 90%
- Built offline-first architecture enabling field data collection without internet connectivity

- Integrated geolocation services and photo capture for comprehensive reporting

### **Teachers Seniority List Portal**

**Full Stack Developer** | 2022 – 2023

**Technologies:** HTML5, CSS3, Bootstrap, JavaScript, jQuery, PHP, MySQL

- Automated seniority calculations for 10,000+ teachers across 3 districts
- Reduced processing time from 2 weeks to 2 hours with 99.9% accuracy
- Developed custom algorithms for ranking and filtering based on multiple parameters
- Created admin dashboard for data management and report generation

### **Geo Tagging Mobile Application**

**Mobile Developer** | 2021 – 2022

**Technologies:** Ionic Framework, PHP, MySQL, SQLite, Google Maps API

- Developed offline-capable application processing 50,000+ geotagged entries
- Enabled real-time field data collection with 98% data accuracy
- Integrated Google Maps API for location tracking and visualization
- Implemented data synchronization between mobile devices and central server

### **PM Poshan Automation System**

**Python Developer** | 2018 – 2019

**Technologies:** Python, Selenium WebDriver, MySQL, Data Analytics, Automation

- Automated mid-day meal program monitoring for 1,500+ schools across district
- Contributed to Vizianagaram District winning Sword of Honour Award at national level
- Improved program efficiency by 75% and data accuracy by 85%
- Developed custom web scraping and data validation scripts reducing manual effort by 2,000+ hours annually

## **EDUCATION**

### **Bachelor of Science in Computer Science**

Dr. B.R. Ambedkar Open University | 2017 | GPA: 3.6/4.0

### **Full Stack Development Certification**

NxtWave CCBP 4.0 Academy | 2025 (Expected) | Grade: A

### **Python Programming Certification**

NxtWave CCBP 4.0 Academy | 2025 (Expected) | Grade: A

## **CERTIFICATIONS & ACHIEVEMENTS**

- NxtWave CCBP 4.0 Full Stack Development Certification (In Progress - Expected 2025)
- NxtWave CCBP 4.0 Python Programming Certification (In Progress -

Expected 2025)

- Sword of Honour Award Contribution - National Level Recognition (2019)
- Google Play Store Published Developer - 5+ Live Applications with 10,000+ Downloads
- Open Source Contributor - 10+ Public Repositories on GitHub

## PROFESSIONAL ATTRIBUTES

**Leadership:** Managed cross-functional teams of 5+ developers and coordinated with government stakeholders across multiple districts

**Innovation:** Introduced agile methodologies and modern development practices that improved project delivery time by 30%

**Problem-Solving:** Developed custom automation solutions saving 2,000+ manual hours annually across government departments

**Communication:** Excellent stakeholder management skills with experience presenting technical solutions to non-technical audiences

**Mentoring:** Trained 15+ junior developers in React Native, Next.js, Python, and modern development best practices